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Key word index

Adenosine receptors
Morphine; Antinociception; Tolerance; (Rat) (Tao, P.-L. (215) 301)

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Tolerance; Steroid hormones; Ovariectomy; GABA/benzodiazepine receptors; Anticonvulsants (Wilson, M.A. (215) 99)

Blood–brain barrier
Amino acid transport; β_2-Adrenoceptors; L-DOPA (L-3,4-dihydroxyphenylalanine); Isoproterenol; Salbutamol (Takao, Y. (215) 245)

Blood pressure
Recombinant renin (human); Spontaneously hypertensive rat (SHR); Renin inhibitors (Shibasaki, M. (215) 271)

Bombesin
Food intake; Satiety; Bombesin receptor agonists; Bombesin receptor antagonists; CCK receptor antagonists (Laferrère, B. (215) 23)

Bombesin receptor agonists
Food intake; Bombesin; Satiety; Bombesin receptor antagonists; CCK receptor antagonists (Laferrère, B. (215) 23)

Bombesin receptor antagonists
Food intake; Bombesin; Satiety; Bombesin receptor agonists; CCK receptor antagonists (Laferrère, B. (215) 23)

Brain
[^{3}H]GR65630; Autoradiography; 5-HT_3 recognition sites; (Common marmoset) (Jones, D.N.C. (215) 63)

Histamine; Histamine H_2 receptors; Histamine H_2 receptor antagonists; Morphine; Antinociception (Hough, L.B. (215) 69)

Brain (rat)
[^{3}H]Paroxetine binding; 5-HT uptake inhibitors; Structure–activity relationship (Marcusson, J.O. (215) 191)

Ethanol intake; Dopamine receptors; Dopamine D_1 receptors; Dopamine D_2 receptors; (Agonist affinity) (May, T. (215) 313)

BY-1949
Cerebral blood flow; Cyclic nucleotides; Basilar artery; Endothelial cells (Sugawa, M. (215) 57)

Ca^{2+}
Jatrophone; Aorta (rat); K^+ channel blockers; KCl; Angiotensin II; Noradrenaline (Duarte, D.F.P. (215) 75)

Ca^{2+} channels
Evodiamine; Endothelium; K^+ channels; Mesenteric artery (Chiou, W.-F. (215) 277)

CP-96,345; Substance P (Schmidt, A.W. (215) 351)

Capsaicin
Capsazepine; Non-adrenergic non-cholinergic (NANC) excitatory nerves; Electrical field stimulation; Tetrodotoxin (Belvisi, M.G. (215) 341)

Capsazepine
Non-adrenergic non-cholinergic (NANC) excitatory nerves; Capsaicin; Electrical field stimulation; Tetrodotoxin (Belvisi, M.G. (215) 341)

Carbachol
Posterior hypothalamic nucleus; Muscarinic receptor antagonists; (Rat) (Martin, J.R. (215) 83)

CCK receptor antagonists
Food intake; Bombesin; Satiety; Bombesin receptor agonists; Bombesin receptor antagonists (Laferrère, B. (215) 23)

CCK-8s (sulfated cholecystokinin octapeptide)
β-Endorphin; [Met^5]enkephalin; Tail-flick inhibition (Tseng, L.F. (215) 309)

Cerebral blood flow
BY-1949; Cyclic nucleotides; Basilar artery; Endothelial cells (Sugawa, M. (215) 57)

Choroid plexus
C-type natriuretic peptide-22; ANP (atrial natriuretic peptide); ANP receptors; Subfornical organ; (Rat) (Himeno, A. (215) 337)

Circadian rhythms
Dopamine; Dopamine D_1 receptors; Dopamine D_2 receptors; Locomotion; Sensitization; Tolerance; PHNO ((+)-4-propyl-9-hydroxynaphthoxazine); SKF 38393 (Martin-Iverson, M.T. (215) 119)

Clonidine
Microdialysis; Noradrenaline; Hippocampus; Morphine withdrawal (Done, C. (215) 333)

Cognition enhancers
Long-term potentiation (LTP); Hippocampus; Dentate gyrus; Perforant path stimulation; (Rat); (In vivo) (Molnár, P. (215) 17)

Conditioned avoidance response
Dopamine D_1 receptors; Dopamine D_2 receptors; (In vivo binding) (McQuade, R.D. (215) 29)

Contraction
Estrogen; Angiotensin II; Aorta (rat); Norepinephrine (Cheng, D.Y. (215) 171)

CP-96,345
NK_1 receptors; Tachykinin receptor antagonists; FR 113680; L 668,169; Spantide II (Patacchini, R. (215) 93)

Substance P; Ca^{2+} channels (Schmidt, A.W. (215) 351)

Cromakalim
Dihydralazine; Hydralazine; Nitroprusside; K^+ channels; Smooth muscle (vascular) (Thirstrup, S. (215) 177)

C-type natriuretic peptide-22
ANP (atrial natriuretic peptide); ANP receptors; Subfornical organ; Choroid plexus; (Rat) (Himeno, A. (215) 337)

Cyclic nucleotides
BY-1949; Cerebral blood flow; Basilar artery; Endothelial cells (Sugawa, M. (215) 57)

DDT_1 MF-2 cells
Smooth muscle cells; Nucleotide receptors; ATP; UTP; K^+ currents (Van der Zee, L. (215) 317)

Dentate gyrus
Long-term potentiation (LTP); Cognition enhancers; Hippocampus; Perforant path stimulation; (Rat); (In vivo) (Molnár, P. (215) 17)

Desensitization
β-Adrenoceptor-mediated responses; Lung parenchymal strips (guinea-pig); Atria (guinea-pig) (Herepath, M.L. (215) 209)

Development
Antinociception; Distress vocalization; Ultrasonic vocalization; Tolerance; Withdrawal; Morphine; Opiates (Barr, G.A. (215) 35)

Dexmedetomidine
Antinociception; Spinal cord; Dorsal horn neurons; α_2-Adrenoceptor agonists; Opioids (Sullivan, A.F. (215) 127)

Dextrorphan
NMDA receptor antagonists (non-competitive); Anticonvulsants; Prepiriform cortex; PCP (1-(1-phenylcyclohexyl)piperidine hydrochloride); MK-801 (Roth, J.E. (215) 293)

Diabetes
Aldose reductase inhibitors; Platelet aggregation; (Rat) (Takiguchi, Y. (215) 289)

Diazepam
Punishment; Fixed-interval responding; Pentobarbital; Phencyclidine; Tolerance; (Pigeon) (McMillan, D.E. (215) 145)

Dihydralazine
Hydralazine; Cromakalim; Nitroprusside; K^+ channels; Smooth muscle (vascular) (Thirstrup, S. (215) 177)

Distress vocalization
Development; Antinociception; Ultrasonic vocalization; Tolerance; Withdrawal; Morphine; Opiates (Barr, G.A. (215) 35)

Docosahexaenoic acid
Eicosapentaenoic acid; Fatty acids (omega-3, omega-6, omega-9); Fish oil (Engler, M.B. (215) 325)

DOPAC (3,4-dihydroxyphenylacetic acid)
Amoxapine; Pharmacokinetics (cerebral); Dopamine; Homovanillic acid (HVA) (Kobayashi, A. (215) 43)

L-DOPA (L-3,4-dihydroxyphenylalanine)
Amino acid transport; Blood–brain barrier; β_2-Adrenoceptors; Isoproterenol; Salbutamol (Takao, Y. (215) 245)

Dopamine
Amoxapine; Pharmacokinetics (cerebral); DOPAC (3,4-dihydroxyphenylacetic acid); Homovanillic acid (HVA) (Kobayashi, A. (215) 43)

Circadian rhythms; Dopamine D_1 receptors; Dopamine D_2 receptors; Locomotion; Sensitization; Tolerance; PHNO ((+)-4-propyl-9-hydroxynaphthoxazine); SKF 38393 (Martin-Iverson, M.T. (215) 119)

NMDA (N-methyl-D-aspartate); MK-801 (dizocilpine); 5-HT (5-hydroxytryptamine, serotonin); Ipsapirone; Schizophrenia; Stereotypies; Haloperidol; Apomorphine (Löscher, W. (215) 199)

ATP; Ion channels; Dopamine receptor agonists; Dopamine receptor antagonists; Pheochromocytoma PC12 cells (Inoue, K. (215) 321)

Dopamine receptor agonists
ATP; Ion channels; Dopamine; Dopamine receptor antagonists; Pheochromocytoma PC12 cells (Inoue, K. (215) 321)

Dopamine receptor antagonists
ATP; Ion channels; Dopamine; Dopamine receptor agonists; Pheochromocytoma PC12 cells (Inoue, K. (215) 321)

Dopamine receptors
Ethanol intake; Brain (rat); Dopamine D_1 receptors; Dopamine D_2 receptors; (Agonist affinity) (May, T. (215) 313)

Dopamine receptors (presynaptic, postsynaptic)
Pramipexole (SND 919); (Rat); (Monkey) (Mierau, J. (215) 161)

Dopamine D_1 receptors
Conditioned avoidance response; Dopamine D_2 receptors; (In vivo binding) (McQuade, R.D. (215) 29)

Circadian rhythms; Dopamine; Dopamine D_2 receptors; Locomotion; Sensitization; Tolerance; PHNO ((+)-4-propyl-9-hydroxynaphthoxazine); SKF 38393 (Martin-Iverson, M.T. (215) 119)

Ethanol intake; Brain (rat); Dopamine receptors; Dopamine D_2 receptors; (Agonist affinity) (May, T. (215) 313)

Dopamine D_2 receptors
Conditioned avoidance response; Dopamine D_1 receptors; (In vivo binding) (McQuade, R.D. (215) 29)

Circadian rhythms; Dopamine; Dopamine D_1 receptors; Locomotion; Sensitization; Tolerance; PHNO ((+)-4-propyl-9-hydroxynaphthoxazine); SKF 38393 (Martin-Iverson, M.T. (215) 119)

Ethanol intake; Brain (rat); Dopamine receptors; Dopamine D_1 receptors; (Agonist affinity) (May, T. (215) 313)

Dopamine uptake
MPP^+ (1-methyl-4-phenylpyridinium ion); Striatum; Nicotine; Tobacco smoke (Carr, L.A. (215) 285)

Dorsal horn neurons
Antinociception; Spinal cord; α_2-Adrenoceptor agonists; Dexmedetomidine; Opioids (Sullivan, A.F. (215) 127)

EDRF (endothelium-derived relaxing factor)
Nitric oxide (NO); Pressure; Endothelial cells; Mechanoreceptors; Hypertension (Hishikawa, K. (215) 329)

Eicosapentaenoic acid
Docosahexaenoic acid; Fatty acids (omega-3, omega-6, omega-9); Fish oil (Engler, M.B. (215) 325)

Electrical field stimulation
Capsazepine; Non-adrenergic non-cholinergic (NANC) excitatory nerves; Capsaicin; Tetrodotoxin (Belvisi, M.G. (215) 341)

β-Endorphin
CCK-8s (sulfated cholecystokinin octapeptide); [Met^5]enkephalin; Tail-flick inhibition (Tseng, L.F. (215) 309)

Endothelial cells
BY-1949; Cerebral blood flow; Cyclic nucleotides; Basilar artery (Sugawa, M. (215) 57)

EDRF (endothelium-derived relaxing factor); Nitric oxide (NO); Pressure; Mechanoreceptors; Hypertension (Hishikawa, K. (215) 329)

Endothelium
Evodiamine; Ca^{2+} channels; K^+ channels; Mesenteric artery (Chiou, W.-F. (215) 277)

[Met^5]enkephalin
β-Endorphin; CCK-8s (sulfated cholecystokinin octapeptide); Tail-flick inhibition (Tseng, L.F. (215) 309)

Epilepsy
NMDA receptor antagonists; Anticonvulsants; Audiogenic seizures; Genetically epilepsy-prone rats (De Sarro, G. (215) 221)

Estrogen
Angiotensin II; Aorta (rat); Norepinephrine; Contraction (Cheng, D.Y. (215) 171)

Ethanol intake
Brain (rat); Dopamine receptors; Dopamine D_1 receptors; Dopamine D_2 receptors; (Agonist affinity) (May, T. (215) 313)

Evodiamine
Endothelium; Ca^{2+} channels; K^+ channels; Mesenteric artery (Chiou, W.-F. (215) 277)

Excitatory amino acid
Excitotoxicity; Metabotropic receptors (McDonald, J.W. (215) 353)

Excitotoxicity
Excitatory amino acid; Metabotropic receptors (McDonald, J.W. (215) 353)

Fatty acids (omega-3, omega-6, omega-9)
Docosahexaenoic acid; Eicosapentaenoic acid; Fish oil (Engler, M.B. (215) 325)

Fish oil
Docosahexaenoic acid; Eicosapentaenoic acid; Fatty acids (omega-3, omega-6, omega-9) (Engler, M.B. (215) 325)

Fixed-interval responding
Punishment; Diazepam; Pentobarbital; Phencyclidine; Tolerance; (Pigeon) (McMillan, D.E. (215) 145)

Food intake
Bombesin; Satiety; Bombesin receptor agonists; Bombesin receptor antagonists; CCK receptor antagonists (Laferrère, B. (215) 23)

FR 113680
NK_1 receptors; Tachykinin receptor antagonists; CP-96,345; L 668,169; Spantide II (Patacchini, R. (215) 93)

Functional selectivity
Muscarinic M_1 receptor agonists; L-687,306 (Freedman, S.B. (215) 135)

GABA/benzodiazepine receptors
Benzodiazepine exposure (chronic); Tolerance; Steroid hormones; Ovariectomy; Anticonvulsants (Wilson, M.A. (215) 99)

Genetically epilepsy-prone rats
Epilepsy; NMDA receptor antagonists; Anticonvulsants; Audiogenic seizures (De Sarro, G. (215) 221)

cGMP
Nicorandil; Hyperpolarization; K^+ channels (ATP-dependent); Methylene blue (Holzmann, S. (215) 1)

Goblet cell secretion
K^+ channel activators (Kuo, H.-P. (215) 297)

[^{3}H]GR65630
Brain; Autoradiography; 5-HT_3 recognition sites; (Common marmoset) (Jones, D.N.C. (215) 63)

Haloperidol
NMDA (N-methyl-D-aspartate); MK-801 (dizocilpine); Dopamine; 5-HT (5-hydroxytryptamine, serotonin); Ipsapirone; Schizophrenia; Stereotypies; Apomorphine (Löscher, W. (215) 199)

Hippocampal slices
Xenopus oocytes (rat cortex mRNA-injected); Quinoxalinediones (Randle, J.C.R. (215) 237)

Hippocampus
Long-term potentiation (LTP); Cognition enhancers; Dentate gyrus; Perforant path stimulation; (Rat); (In vivo) (Molnár, P. (215) 17)

Microdialysis; Noradrenaline; Morphine withdrawal; Clonidine (Done, C. (215) 333)

Histamine
Aging; Airway obstruction; Asthma; Oedema; Plasma exudation; Substance P; Vascular permeability (Arakawa, H. (215) 51)

Histamine H_2 receptors; Histamine H_2 receptor antagonists; Brain; Morphine; Antinociception (Hough, L.B. (215) 69)

Histamine H_2 receptor antagonists
Histamine; Histamine H_2 receptors; Brain; Morphine; Antinociception (Hough, L.B. (215) 69)

Histamine H_2 receptors
Histamine; Histamine H_2 receptor antagonists; Brain; Morphine; Antinociception (Hough, L.B. (215) 69)

Homovanillic acid (HVA)
Amoxapine; Pharmacokinetics (cerebral); Dopamine; DOPAC (3,4-dihydroxyphenylacetic acid) (Kobayashi, A. (215) 43)

5-HT (5-hydroxytryptamine, serotonin)
Amphetamine analogues; Monoamine release; Synaptosomes (Berger, U.V. (215) 153)

NMDA (N-methyl-D-aspartate); MK-801 (dizocilpine); Dopamine; Ipsapirone; Schizophrenia; Stereotypies; Haloperidol; Apomorphine (Löscher, W. (215) 199)

5-HT_3 recognition sites
[^{3}H]GR65630; Brain; Autoradiography; (Common marmoset) (Jones, D.N.C. (215) 63)

5-HT uptake inhibitors
[^{3}H]Paroxetine binding; Structure–activity relationship; Brain (rat) (Marcusson, J.O. (215) 191)

Hydralazine
Dihydralazine; Cromakalim; Nitroprusside; K^+ channels; Smooth muscle (vascular) (Thirstrup, S. (215) 177)

Hyperpolarization
Nicorandil; K^+ channels (ATP-dependent); cGMP; Methylene blue (Holzmann, S. (215) 1)

Hypertension
EDRF (endothelium-derived relaxing factor); Nitric oxide (NO); Pressure; Endothelial cells; Mechanoreceptors (Hishikawa, K. (215) 329)

Hypothalamus
Lithium chloride; Monoamines; (i.c.v.) (Otero Losada, M.E. (215) 185)

Imidazoline
Nicorandil; Portal vein (rat); K^+ channels (Okumura, K. (215) 253)

Indenolol
β-Adrenoceptor antagonists; Atenolol; Nadolol; Propranolol; Mitochondrial ATPase activity (Almotrefi, A.A. (215) 231)

Inositol hexakisphosphate
Vasomotor neurons; Medulla (rostral ventrolateral); Phytic acid (Sun, M.-k. (215) 9)

Ion channels
ATP; Dopamine; Dopamine receptor agonists; Dopamine receptor antagonists; Pheochromocytoma PC12 cells (Inoue, K. (215) 321)

Ipsapirone
NMDA (N-methyl-D-aspartate); MK-801 (dizocilpine); Dopamine; 5-HT (5-hydroxytryptamine, serotonin); Schizophrenia; Stereotypies; Haloperidol; Apomorphine (Löscher, W. (215) 199)

Isoproterenol
Amino acid transport; Blood–brain barrier; β_2-Adrenoceptors; L-DOPA (L-3,4-dihydroxyphenylalanine); Salbutamol (Takao, Y. (215) 245)

Jatrophone
Aorta (rat); K^+ channel blockers; Ca^{2+}; KCl; Angiotensin II; Noradrenaline (Duarte, D.F.P. (215) 75)

Kava extract
Methysticin; Memantine; Middle cerebral artery occlusion; (Rat); (Mouse) (Backhauß, C. (215) 265)

K^+ channel activators
Goblet cell secretion (Kuo, H.-P. (215) 297)

K^+ channel blockers
Jatrophone; Aorta (rat); Ca^{2+}; KCl; Angiotensin II; Noradrenaline (Duarte, D.F.P. (215) 75)

K^+ channels
Antiarrhythmic agents; Ventricular fibrillation (Gwilt, M. (215) 137)

Dihydralazine; Hydralazine; Cromakalim; Nitroprusside; Smooth muscle (vascular) (Thirstrup, S. (215) 177)

Nicorandil; Imidazoline; Portal vein (rat) (Okumura, K. (215) 253)

Evodiamine; Endothelium; Ca^{2+} channels; Mesenteric artery (Chiou, W.-F. (215) 277)

K^+ channels (ATP-dependent)
Nicorandil; Hyperpolarization; cGMP; Methylene blue (Holzmann, S. (215) 1)

KCl
Jatrophone; Aorta (rat); K^+ channel blockers; Ca^{2+}; Angiotensin II; Noradrenaline (Duarte, D.F.P. (215) 75)

K^+ currents
Smooth muscle cells; DDT_1 MF-2 cells; Nucleotide receptors; ATP; UTP (Van der Zee, L. (215) 317)

L 668,169
NK_1 receptors; Tachykinin receptor antagonists; CP-96,345; FR 113680; Spantide II (Patacchini, R. (215) 93)

L-687,306
Muscarinic M_1 receptor agonists; Functional selectivity (Freedman, S.B. (215) 135)

Lithium chloride
Monoamines; Hypothalamus; (i.c.v.) (Otero Losada, M.E. (215) 185)

Phosphoinositide (IP_3); Analgesia (Raffa, R.B. (215) 357)

Locomotion
Circadian rhythms; Dopamine; Dopamine D_1 receptors; Dopamine D_2 receptors; Sensitization; Tolerance; PHNO ((+)-4-propyl-9-hydroxynaphthoxazine); SKF 38393 (Martin-Iverson, M.T. (215) 119)

Long-term potentiation (LTP)
Cognition enhancers; Hippocampus; Dentate gyrus; Perforant path stimulation; (Rat); (In vivo) (Molnár, P. (215) 17)

Lung parenchymal strips (guinea-pig)
β-Adrenoceptor-mediated responses; Desensitization; Atria (guinea-pig) (Herepath, M.L. (215) 209)

Mechanoreceptors
EDRF (endothelium-derived relaxing factor); Nitric oxide (NO); Pressure; Endothelial cells; Hypertension (Hishikawa, K. (215) 329)

Medulla (rostral ventrolateral)
Vasomotor neurons; Inositol hexakisphosphate; Phytic acid (Sun, M.-k. (215) 9)

Memantine
Kava extract; Methysticin; Middle cerebral artery occlusion; (Rat); (Mouse) (Backhauß, C. (215) 265)

Mesenteric artery
Evodiamine; Endothelium; Ca^{2+} channels; K^+ channels (Chiou, W.-F. (215) 277)

Metabotropic receptors
Excitotoxicity; Excitatory amino acid (McDonald, J.W. (215) 353)

Methylene blue
Nicorandil; Hyperpolarization; K^+ channels (ATP-dependent); cGMP (Holzmann, S. (215) 1)

Methysticin
Kava extract; Memantine; Middle cerebral artery occlusion; (Rat); (Mouse) (Backhauß, C. (215) 265)

Microdialysis
Noradrenaline; Hippocampus; Morphine withdrawal; Clonidine (Done, C. (215) 333)

Middle cerebral artery occlusion
Kava extract; Methysticin; Memantine; (Rat); (Mouse) (Backhauß, C. (215) 265)

Mitochondrial ATPase activity
β-Adrenoceptor antagonists; Atenolol; Indenolol; Nadolol; Propranolol (Almotrefi, A.A. (215) 231)

MK-801
Dextrorphan; NMDA receptor antagonists (non-competitive); Anticonvulsants; Prepiriform cortex; PCP (1-(1-phenylcyclohexyl)piperidine hydrochloride) (Roth, J.E. (215) 293)

MK-801 (dizocilpine)
NMDA (N-methyl-D-aspartate); Dopamine; 5-HT (5-hydroxytryptamine, serotonin); Ipsapirone; Schizophrenia; Stereotypies; Haloperidol; Apomorphine (Löscher, W. (215) 199)

MK 954 (DuP 753)
Spontaneously hypertensive rat (SHR); Aldosterone; Renin; Angiotensin II; (Rat) (Mizuno, K. (215) 305)

Monoamine release
Amphetamine analogues; Synaptosomes; 5-HT (5-hydroxytryptamine, serotonin) (Berger, U.V. (215) 153)

Monoamines
Lithium chloride; Hypothalamus; (i.c.v.) (Otero Losada, M.E. (215) 185)

Morphine
Development; Antinociception; Distress vocalization; Ultrasonic vocalization; Tolerance; Withdrawal; Opiates (Barr, G.A. (215) 35)

Histamine; Histamine H_2 receptors; Histamine H_2 receptor antagonists; Brain; Antinociception (Hough, L.B. (215) 69)

Antinociception; Tolerance; Adenosine receptors; (Rat) (Tao, P.-L. (215) 301)

Nor-binaltorphimine (nor-BNI); Spiradoline; Antinociception; κ-Opioid receptors (Jones, D.N.C. (215) 345)

Morphine withdrawal
Microdialysis; Noradrenaline; Hippocampus; Clonidine (Done, C. (215) 333)

MPP^+ (1-methyl-4-phenylpyridinium ion)
Striatum; Dopamine uptake; Nicotine; Tobacco smoke (Carr, L.A. (215) 285)

Muscarinic M_1 receptor agonists
Functional selectivity; L-687,306 (Freedman, S.B. (215) 135)

Muscarinic receptor antagonists
Posterior hypothalamic nucleus; Carbachol; (Rat) (Martin, J.R. (215) 83)

Nadolol
β-Adrenoceptor antagonists; Atenolol; Indenolol; Propranolol; Mitochondrial ATPase activity (Almotrefi, A.A. (215) 231)

Nicorandil
Hyperpolarization; K^+ channels (ATP-dependent); cGMP; Methylene blue (Holzmann, S. (215) 1)

Imidazoline; Portal vein (rat); K^+ channels (Okumura, K. (215) 253)

Nicotine
MPP^+ (1-methyl-4-phenylpyridinium ion); Striatum; Dopamine uptake; Tobacco smoke (Carr, L.A. (215) 285)

Nitric oxide (NO)
EDRF (endothelium-derived relaxing factor); Pressure; Endothelial cells; Mechanoreceptors; Hypertension (Hishikawa, K. (215) 329)

Nitric oxide synthase
Tetrahydrobiopterin; Vasodilatation (Van Amsterdam, J.G.C. (215) 349)

Nitroprusside
Dihydralazine; Hydralazine; Cromakalim; K^+ channels; Smooth muscle (vascular) (Thirstrup, S. (215) 177)

NK_1 receptors
Tachykinin receptor antagonists; CP-96,345; FR 113680; L 668,169; Spantide II (Patacchini, R. (215) 93)

NMDA (N-methyl-D-aspartate)
MK-801 (dizocilpine); Dopamine; 5-HT (5-hydroxytryptamine, serotonin); Ipsapirone; Schizophrenia; Stereotypies; Haloperidol; Apomorphine (Löscher, W. (215) 199)

NMDA receptor antagonists
Epilepsy; Anticonvulsants; Audiogenic seizures; Genetically epilepsy-prone rats (De Sarro, G. (215) 221)

NMDA receptor antagonists (non-competitive)
Dextrorphan; Anticonvulsants; Prepiriform cortex; PCP (1-(1-phenylcyclohexyl)piperidine hydrochloride); MK-801 (Roth, J.E. (215) 293)

Nociception
α_2-Adrenoceptors; Pain (Millan, M.J. (215) 355)

Non-adrenergic binding sites
α_2-Adrenoceptors; α-Adrenoceptor antagonists; [^{3}H]Atipamezole; [^{3}H]Rauwolscine (Sjöholm, B. (215) 109)

Non-adrenergic non-cholinergic (NANC) excitatory nerves
Capsazepine; Capsaicin; Electrical field stimulation; Tetrodotoxin (Belvisi, M.G. (215) 341)

Noradrenaline
Jatrophone; Aorta (rat); K^+ channel blockers; Ca^{2+}; KCl; Angiotensin II (Duarte, D.F.P. (215) 75)

Microdialysis; Hippocampus; Morphine withdrawal; Clonidine (Done, C. (215) 333)

Nor-binaltorphimine (nor-BNI)
Spiradoline; Antinociception; Morphine; κ-Opioid receptors (Jones, D.N.C. (215) 345)

Norepinephrine
Estrogen; Angiotensin II; Aorta (rat); Contraction (Cheng, D.Y. (215) 171)

Nucleotide receptors
Smooth muscle cells; DDT_1 MF-2 cells; ATP; UTP; K^+ currents (Van der Zee, L. (215) 317)

Oedema
Aging; Airway obstruction; Asthma; Histamine; Plasma exudation; Substance P; Vascular permeability (Arakawa, H. (215) 51)

Opiates
Development; Antinociception; Distress vocalization; Ultrasonic vocalization; Tolerance; Withdrawal; Morphine (Barr, G.A. (215) 35)

κ-Opioid receptors
Nor-binaltorphimine (nor-BNI); Spiradoline; Antinociception; Morphine (Jones, D.N.C. (215) 345)

Opioids
Antinociception; Spinal cord; Dorsal horn neurons; α_2-Adrenoceptor agonists; Dexmedetomidine (Sullivan, A.F. (215) 127)

Ovariectomy
Benzodiazepine exposure (chronic); Tolerance; Steroid hormones; GABA/benzodiazepine receptors; Anticonvulsants (Wilson, M.A. (215) 99)

Pain
α_2-Adrenoceptors; Nociception (Millan, M.J. (215) 355)

[^{3}H]Paroxetine binding
5-HT uptake inhibitors; Structure–activity relationship; Brain (rat) (Marcusson, J.O. (215) 191)

PCP (1-(1-phenylcyclohexyl)piperidine hydrochloride)
Dextrorphan; NMDA receptor antagonists (non-competitive); Anticonvulsants; Prepiriform cortex; MK-801 (Roth, J.E. (215) 293)

Pentobarbital
Punishment; Fixed-interval responding; Diazepam; Phencyclidine; Tolerance; (Pigeon) (McMillan, D.E. (215) 145)

Perforant path stimulation
Long-term potentiation (LTP); Cognition enhancers; Hippocampus; Dentate gyrus; (Rat); (In vivo) (Molnár, P. (215) 17)

Pharmacokinetics (cerebral)
Amoxapine; Dopamine; DOPAC (3,4-dihydroxyphenylacetic acid); Homovanillic acid (HVA) (Kobayashi, A. (215) 43)

Phencyclidine
Punishment; Fixed-interval responding; Diazepam; Pentobarbital; Tolerance; (Pigeon) (McMillan, D.E. (215) 145)

Pheochromocytoma PC12 cells
ATP; Ion channels; Dopamine; Dopamine receptor agonists; Dopamine receptor antagonists (Inoue, K. (215) 321)

PHNO ((+)-4-propyl-9-hydroxynaphthoxazine)
Circadian rhythms; Dopamine; Dopamine D_1 receptors; Dopamine D_2 receptors; Locomotion; Sensitization; Tolerance; SKF 38393 (Martin-Iverson, M.T. (215) 119)

Phosphoinositide (IP_3)
Lithium chloride; Analgesia (Raffa, R.B. (215) 357)

Phytic acid
Vasomotor neurons; Inositol hexakisphosphate; Medulla (rostral ventrolateral) (Sun, M.-k. (215) 9)

Plasma exudation
Aging; Airway obstruction; Asthma; Oedema; Histamine; Substance P; Vascular permeability (Arakawa, H. (215) 51)

Platelet aggregation
Aldose reductase inhibitors; Diabetes; (Rat) (Takiguchi, Y. (215) 289)

Portal vein (rat)
Nicorandil; Imidazoline; K^+ channels (Okumura, K. (215) 253)

Posterior hypothalamic nucleus
Carbachol; Muscarinic receptor antagonists; (Rat) (Martin, J.R. (215) 83)

Pramipexole (SND 919)
Dopamine receptors (presynaptic, postsynaptic); (Rat); (Monkey) (Mierau, J. (215) 161)

Prepiriform cortex
Dextrorphan; NMDA receptor antagonists (non-competitive); Anticonvulsants; PCP (1-(1-phenylcyclohexyl)piperidine hydrochloride); MK-801 (Roth, J.E. (215) 293)

Pressure
EDRF (endothelium-derived relaxing factor); Nitric oxide (NO); Endothelial cells; Mechanoreceptors; Hypertension (Hishikawa, K. (215) 329)

Propranolol
β-Adrenoceptor antagonists; Atenolol; Indenolol; Nadolol; Mitochondrial ATPase activity (Almotrefi, A.A. (215) 231)

Protease inhibitors
Angiotensin receptors; Angiotensin II; Angiotensin III; Smooth muscle cells (Fujimoto, M. (215) 259)

Punishment
Fixed-interval responding; Diazepam; Pentobarbital; Phencyclidine; Tolerance; (Pigeon) (McMillan, D.E. (215) 145)

Quinoxalinediones
Xenopus oocytes (rat cortex mRNA-injected); Hippocampal slices (Randle, J.C.R. (215) 237)

[^{3}H]Rauwolscine
α_2-Adrenoceptors; α-Adrenoceptor antagonists; Non-adrenergic binding sites; [^{3}H]Atipamezole (Sjöholm, B. (215) 109)

Recombinant renin (human)
Spontaneously hypertensive rat (SHR); Blood pressure; Renin inhibitors (Shibasaki, M. (215) 271)

Renin
Spontaneously hypertensive rat (SHR); Aldosterone; MK 954 (DuP 753); Angiotensin II; (Rat) (Mizuno, K. (215) 305)

Renin inhibitors
Recombinant renin (human); Spontaneously hypertensive rat (SHR); Blood pressure (Shibasaki, M. (215) 271)

Salbutamol
Amino acid transport; Blood–brain barrier; β_2-Adrenoceptors; L-DOPA (L-3,4-dihydroxyphenylalanine); Isoproterenol (Takao, Y. (215) 245)

Satiety
Food intake; Bombesin; Bombesin receptor agonists; Bombesin receptor antagonists; CCK receptor antagonists (Laferrère, B. (215) 23)

Schizophrenia
NMDA (N-methyl-D-aspartate); MK-801 (dizocilpine); Dopamine; 5-HT (5-hydroxytryptamine, serotonin); Ipsapirone; Stereotypies; Haloperidol; Apomorphine (Löscher, W. (215) 199)

Sensitization
Circadian rhythms; Dopamine; Dopamine D_1 receptors; Dopamine D_2 receptors; Locomotion; Tolerance; PHNO ((+)-4-propyl-9-hydroxynaphthoxazine); SKF 38393 (Martin-Iverson, M.T. (215) 119)

SKF 38393
Circadian rhythms; Dopamine; Dopamine D_1 receptors; Dopamine D_2 receptors; Locomotion; Sensitization; Tolerance; PHNO ((+)-4-propyl-9-hydroxynaphthoxazine) (Martin-Iverson, M.T. (215) 119)

Smooth muscle cells
Angiotensin receptors; Angiotensin II; Angiotensin III; Protease inhibitors (Fujimoto, M. (215) 259)

DDT_1 MF-2 cells; Nucleotide receptors; ATP; UTP; K^+ currents (Van der Zee, L. (215) 317)

Smooth muscle (vascular)
Dihydralazine; Hydralazine; Cromakalim; Nitroprusside; K^+ channels (Thirstrup, S. (215) 177)

Spantide II
NK_1 receptors; Tachykinin receptor antagonists; CP-96,345; FR 113680; L 668,169 (Patacchini, R. (215) 93)

Spinal cord
Antinociception; Dorsal horn neurons; α_2-Adrenoceptor agonists; Dexmedetomidine; Opioids (Sullivan, A.F. (215) 127)

Spiradoline
Nor-binaltorphimine (nor-BNI); Antinociception; Morphine; κ-Opioid receptors (Jones, D.N.C. (215) 345)

Spontaneously hypertensive rat (SHR)
Recombinant renin (human); Blood pressure; Renin inhibitors (Shibasaki, M. (215) 271)

Aldosterone; MK 954 (DuP 753); Renin; Angiotensin II; (Rat) (Mizuno, K. (215) 305)

Stereotypies
NMDA (N-methyl-D-aspartate); MK-801 (dizocilpine); Dopamine; 5-HT (5-hydroxytryptamine, serotonin); Ipsapirone; Schizophrenia; Haloperidol; Apomorphine (Löscher, W. (215) 199)

Steroid hormones
Benzodiazepine exposure (chronic); Tolerance; Ovariectomy; GABA/benzodiazepine receptors; Anticonvulsants (Wilson, M.A. (215) 99)

Striatum
MPP^+ (1-methyl-4-phenylpyridinium ion); Dopamine uptake; Nicotine; Tobacco smoke (Carr, L.A. (215) 285)

Structure–activity relationship
[^{3}H]Paroxetine binding; 5-HT uptake inhibitors; Brain (rat) (Marcusson, J.O. (215) 191)

Subfornical organ
C-type natriuretic peptide-22; ANP (atrial natriuretic peptide); ANP receptors; Choroid plexus; (Rat) (Himeno, A. (215) 337)

Substance P
Aging; Airway obstruction; Asthma; Oedema; Histamine; Plasma exudation; Vascular permeability (Arakawa, H. (215) 51)

CP-96,345; Ca^{2+} channels (Schmidt, A.W. (215) 351)

Synaptosomes
Amphetamine analogues; Monoamine release; 5-HT (5-hydroxytryptamine, serotonin) (Berger, U.V. (215) 153)

Tachykinin receptor antagonists
NK_1 receptors; CP-96,345; FR 113680; L 668,169; Spantide II (Patacchini, R. (215) 93)

Tail-flick inhibition
β-Endorphin; CCK-8s (sulfated cholecystokinin octapeptide); [Met^5]enkephalin (Tseng, L.F. (215) 309)

Tetrahydrobiopterin
Vasodilatation; Nitric oxide synthase (Van Amsterdam, J.G.C. (215) 349)

Tetrodotoxin
Capsazepine; Non-adrenergic non-cholinergic (NANC) excitatory nerves; Capsaicin; Electrical field stimulation (Belvisi, M.G. (215) 341)

Tobacco smoke
MPP^+ (1-methyl-4-phenylpyridinium ion); Striatum; Dopamine uptake; Nicotine (Carr, L.A. (215) 285)

Tolerance
Development; Antinociception; Distress vocalization; Ultrasonic vocalization; Withdrawal; Morphine; Opiates (Barr, G.A. (215) 35)

Benzodiazepine exposure (chronic); Steroid hormones; Ovariectomy; GABA/benzodiazepine receptors; Anticonvulsants (Wilson, M.A. (215) 99)

Circadian rhythms; Dopamine; Dopamine D_1 receptors; Dopamine D_2 receptors; Locomotion; Sensitization; PHNO ((+)-4-propyl-9-hydroxynaphthoxazine); SKF 38393 (Martin-Iverson, M.T. (215) 119)

Punishment; Fixed-interval responding; Diazepam; Pentobarbital; Phencyclidine; (Pigeon) (McMillan, D.E. (215) 145)

Morphine; Antinociception; Adenosine receptors; (Rat) (Tao, P.-L. (215) 301)

Ultrasonic vocalization
Development; Antinociception; Distress vocalization; Tolerance; Withdrawal; Morphine; Opiates (Barr, G.A. (215) 35)

UTP
Smooth muscle cells; DDT_1 MF-2 cells; Nucleotide receptors; ATP; K^+ currents (Van der Zee, L. (215) 317)

Vascular permeability
Aging; Airway obstruction; Asthma; Oedema; Histamine; Plasma exudation; Substance P (Arakawa, H. (215) 51)

Vasodilatation
Tetrahydrobiopterin; Nitric oxide synthase (Van Amsterdam, J.G.C. (215) 349)

Vasomotor neurons
Inositol hexakisphosphate; Medulla (rostral ventrolateral); Phytic acid (Sun, M.-k. (215) 9)

Ventricular fibrillation
Antiarrhythmic agents; K^+ channels (Gwilt, M. (215) 137)

Withdrawal
Development; Antinociception; Distress vocalization; Ultrasonic vocalization; Tolerance; Morphine; Opiates (Barr, G.A. (215) 35)

***Xenopus* oocytes (rat cortex mRNA-injected)**
Hippocampal slices; Quinoxalinediones (Randle, J.C.R. (215) 237)